

12 December 1955

MEMORANDUM FOR: Deputy Director of Security (PPS)

THROUGH : Executive Officer, LDP

ATTENTION :

SUBJECT :

Intrafax Machine

50X1

50X1

## 1. Our tests of the Intrafax Machine.

\_\_\_\_\_ have reached an impasse due to several reasons.

50X1

50X1

2. The primary problem is that the volume of cards to be found in any one trace is so great that the transmission time of eight cards per three minutes, to which the machine is limited, is relatively too slow to be of much use. In addition, we found that present security restrictions allow us to transmit only 40 per cent of the information required by the user.

3. The chances are, however, that even if all cards could be transmitted by machine, its use for the transmission of cards from the Main Index to a branch would not pay off, except, perhaps, in instances like branches of NE, which are physically most distant from the Main Index.

4. On the other hand, use of the machine for the transmission of documents or document extracts through "Secret" from the main files of RI to a branch is apt to constitute a considerable saving. At this time, due to security restrictions, it is not feasible to test this. The utility of the machine, hence, depends entirely on measures which can be taken to screen its radiation.

5. Unless this screening can be successfully undertaken and tested in the near future, we will wish to cancel our lease on the machine. The question is, therefore, whether the Office of Security, presumably in conjunction with the Office of Communications, wishes to take advantage of the present Intrafax link for radiation and screening tests under normal physical conditions found in the DDP area.

CONFIDENTIAL

DOC	30	REV DATE	14/3/80	BY	37167
CHIG COMP	33	OPI	56	TYPE	2
CHIG CLASS	5	PAGES	2	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 10-2

15 DEC 1955

6. We would welcome an indication from you whether this is the case, and for how long the tests would probably extend, in order to determine whether the machine can be used for the purpose indicated in Paragraph 4 above. Beyond this, DDP has a general interest in establishing definitely what security means can be employed in conjunction with facsimile machinery such as the Entifax, to permit its use in inter-office communications.



DDP

50X1